PATENT APPLICATION

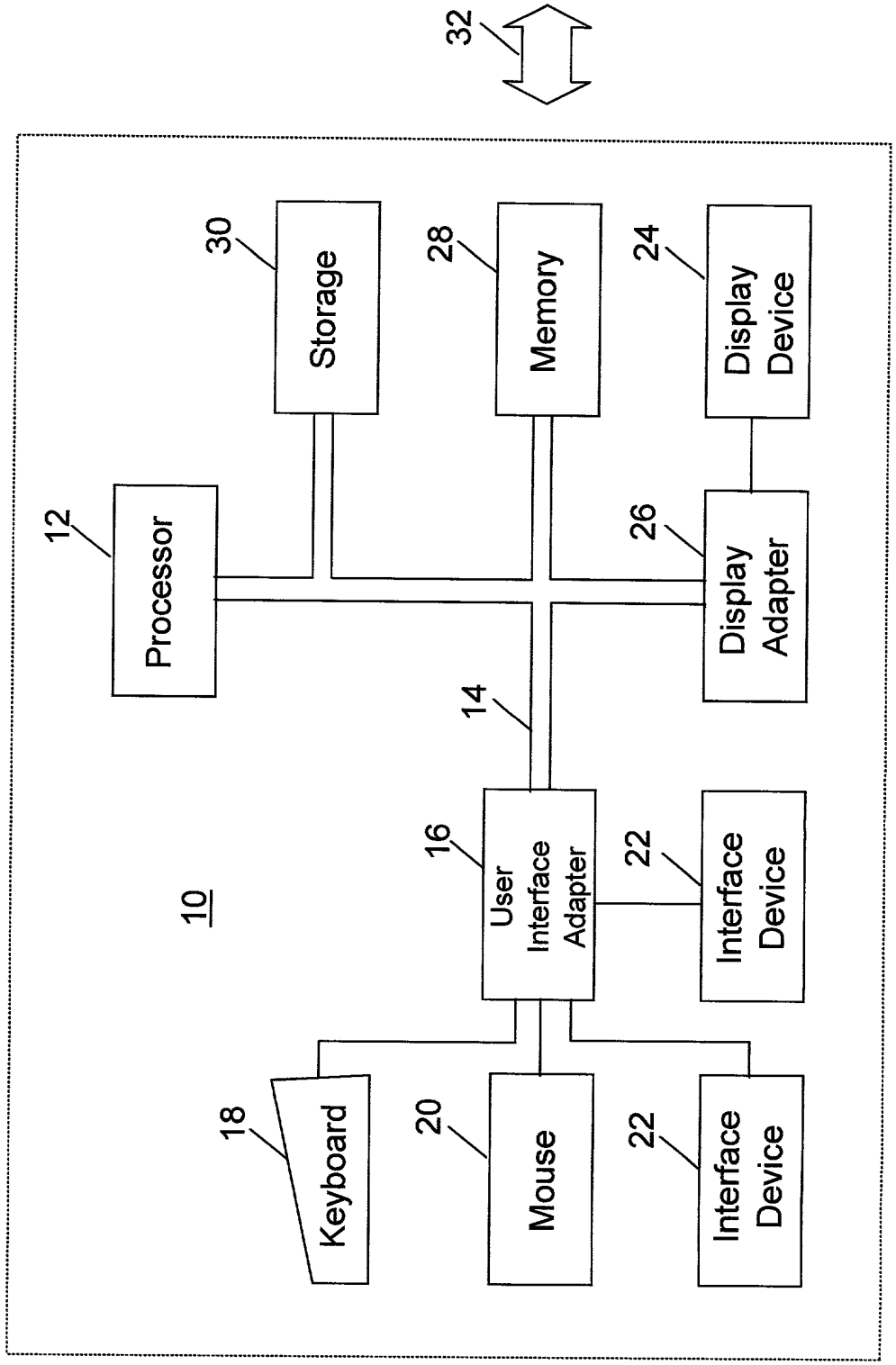


FIG. 1
(PRIOR ART)

FIG. 2
(PRIOR ART)

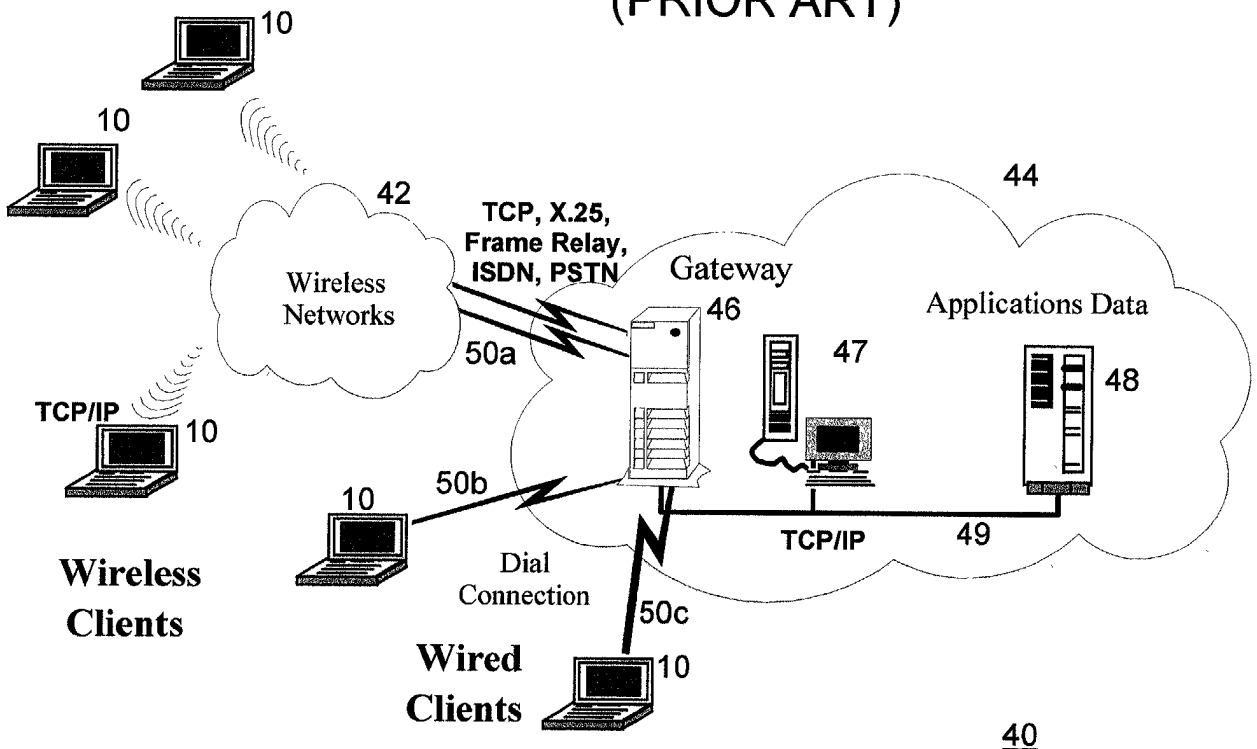


FIG. 3A

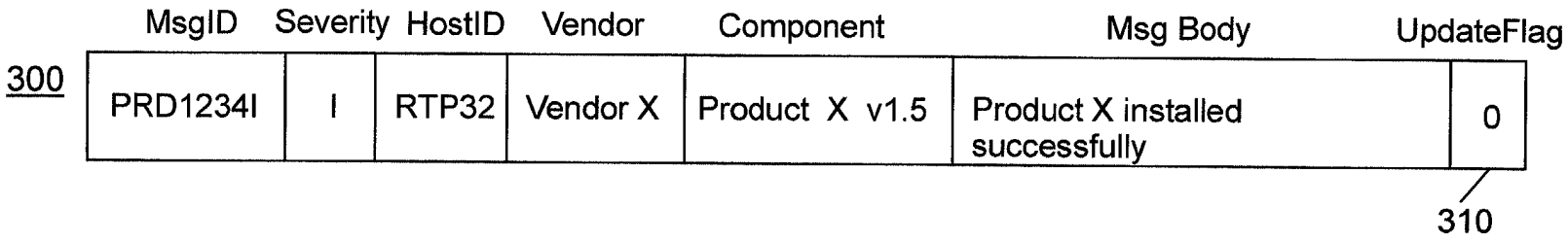

300
MsgID
Severity
HostID
Vendor
Component
Msg Body
UpdateFlag
PRD1234I
I
RTP32
Vendor X
Product X v1.5
Product X installed successfully
0
310

FIG. 3B

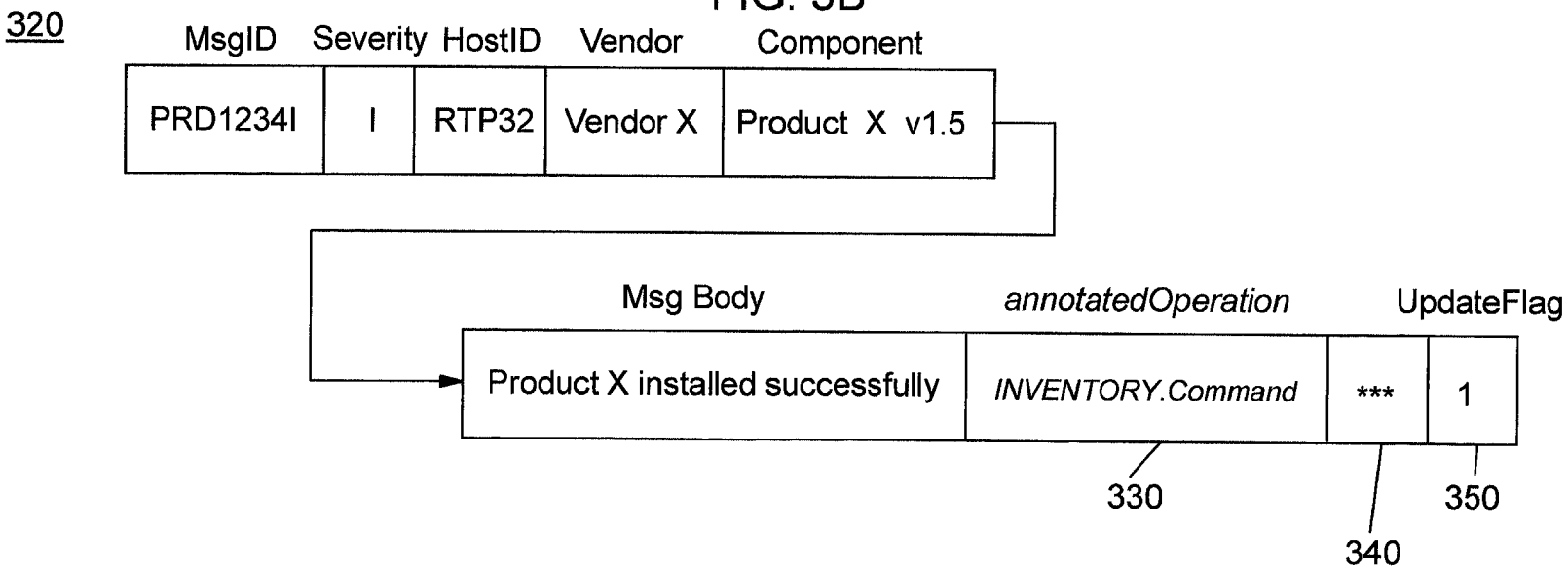

320
MsgID
Severity
HostID
Vendor
Component
PRD1234I
I
RTP32
Vendor X
Product X v1.5
Msg Body
annotatedOperation
UpdateFlag
Product X installed successfully
INVENTORY.Command
***
1
330
340
350

FIG. 4A

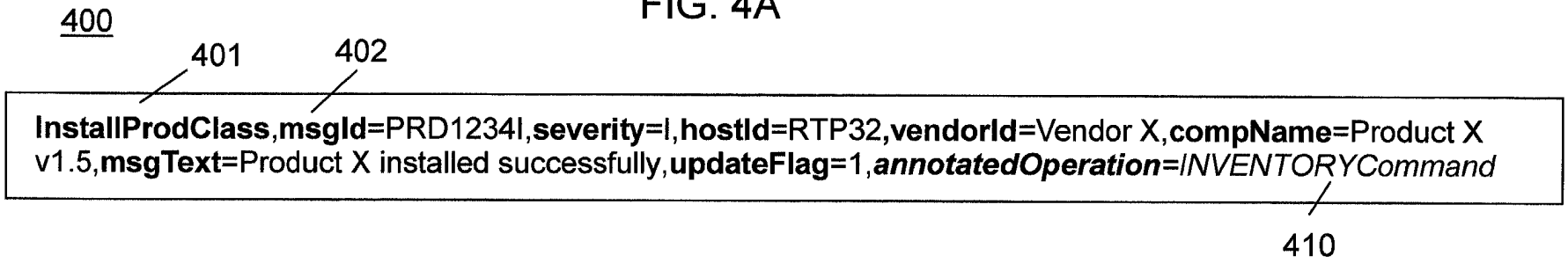

400
401
402
InstallProdClass,msgId=PRD1234I,severity=I,hostId=RTP32,vendorId=Vendor X,compName=Product X v1.5,msgText=Product X installed successfully,updateFlag=1,annotatedOperation=INVENTORYCommand
410

FIG. 4B

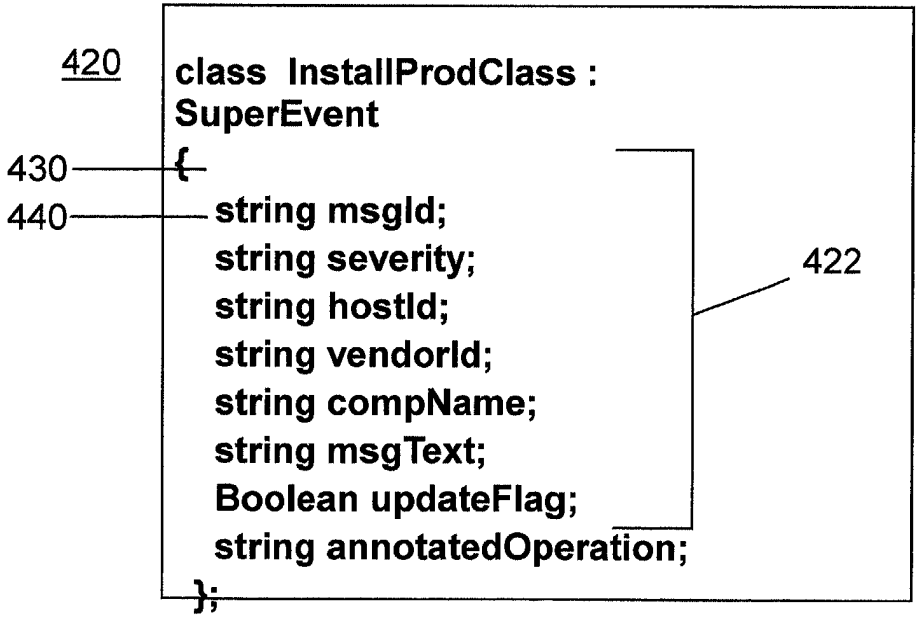
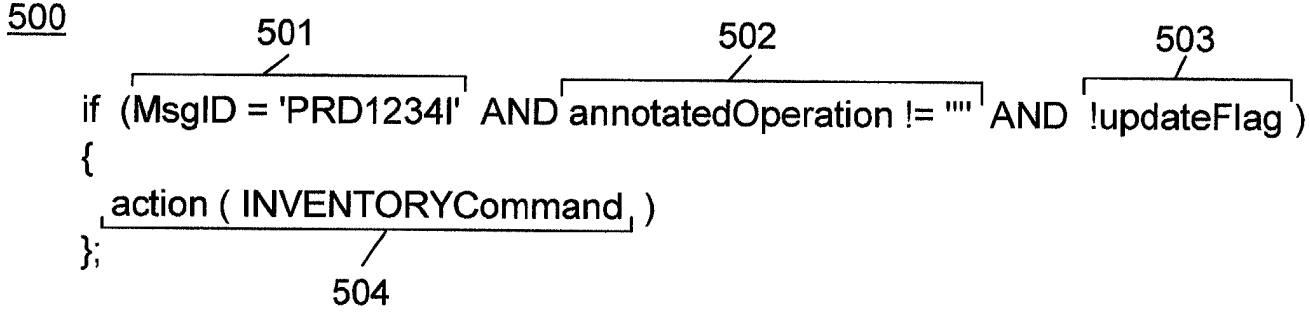

420
class InstallProdClass :
SuperEvent
430
{
440
string msgId;
string severity;
string hostId;
string vendorId;
string compName;
string msgText;
Boolean updateFlag;
string annotatedOperation;
};
422

FIG. 5


500
501
502
503
if (MsgID = 'PRD1234I' AND annotatedOperation != "" AND !updateFlag)
{
action (INVENTORYCommand)
};
504

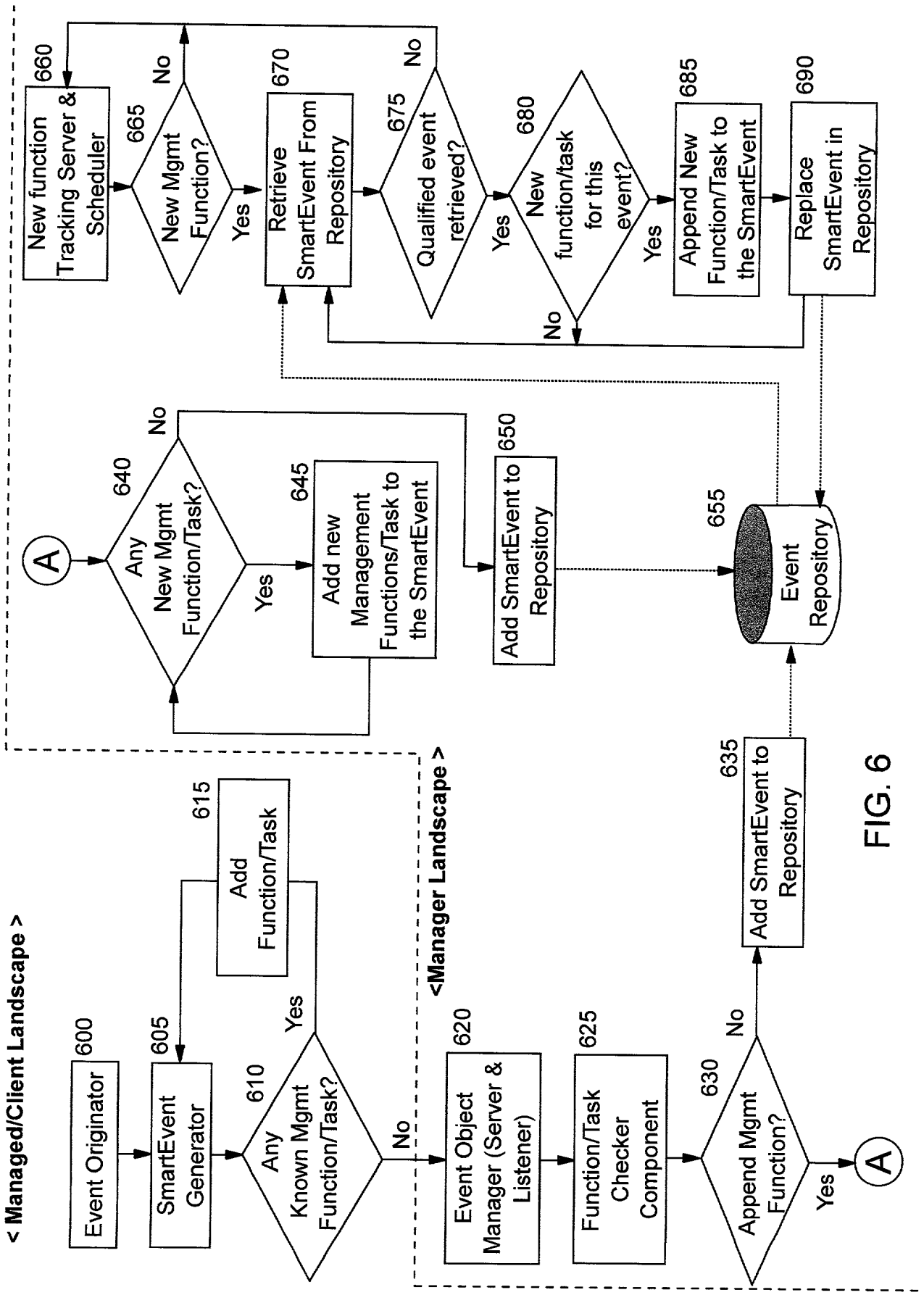

< Managed/Client Landscape >
<Manager Landscape >
Event Originator
600
SmartEvent Generator
605
Any Known Mgmt Function/Task?
610
Yes
No
Add Function/Task
615
Event Object Manager (Server & Listener)
620
Function/Task Checker Component
625
Append Mgmt Function?
630
No
Yes
Add SmartEvent to Repository
635
Event Repository
655
A
Any New Mgmt Function/Task?
640
No
Yes
Add new Management Functions/Task to the SmartEvent
645
Add SmartEvent to Repository
650
New function Tracking Server & Scheduler
660
New Mgmt Function?
665
No
Yes
Retrieve SmartEvent From Repository
670
Qualified event retrieved?
675
No
Yes
New function/task for this event?
680
No
Yes
Append New Function/Task to the SmartEvent
685
Replace SmartEvent in Repository
690

FIG. 6

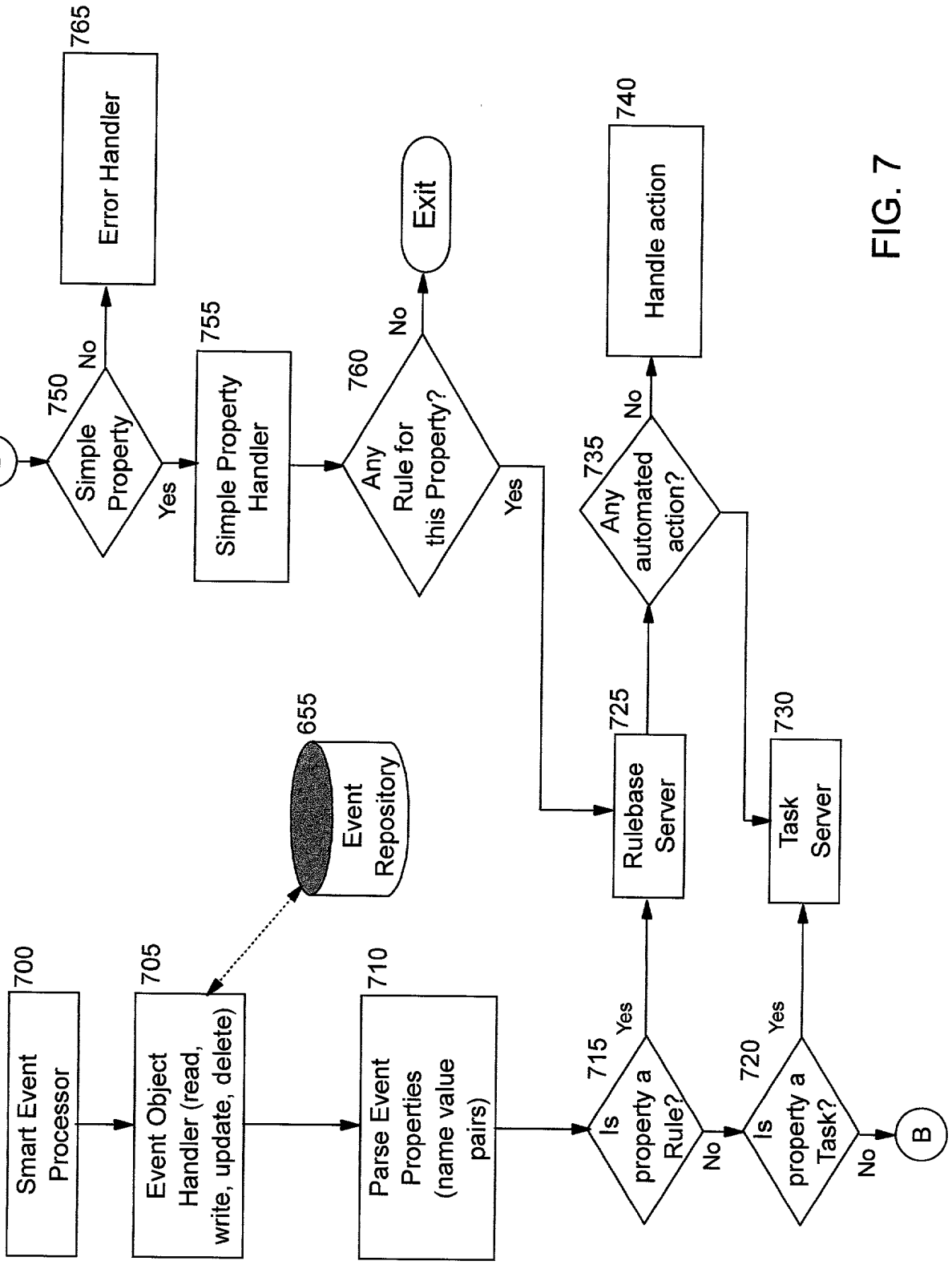

Smart Event Processor
700
Event Object Handler (read, write, update, delete)
705
Event Repository
655
Parse Event Properties (name value pairs)
710
Is property a Rule?
715
Yes
No
Is property a Task?
720
Yes
No
B
Rulebase Server
725
Task Server
730
Any automated action?
735
No
Handle action
740
Any Rule for this Property?
760
No
Exit
Yes
Simple Property Handler
755
Simple Property
750
No
Error Handler
765
B

FIG. 7